

DERWENT- 2001-445369

ACC-NO:

DERWENT- 200148

WEEK:

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TITLE: Piled fiber sheets for fabric leather product,  
has flat extra fine fiber with specified fineness  
and specified degree of flatness, intertwined  
with knitted goods

INVENTOR: EZAKI T; HAYAKAWA T ; KIYOOKA S

PRIORITY-DATA: 1999JP-283111 (October 4, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP 2001096658 A	April 10, 2001	JA

INT-CL-

CURRENT:

TYPE	IPC	DATE
CIPP	<u>D06</u> <u>N</u> <u>3/00</u>	20060101
CIPS	<u>B32</u> <u>B</u> <u>5/26</u>	20060101
CIPS	<u>D21</u> <u>H</u> <u>15/10</u>	20060101

ABSTRACTED-PUB-NO: JP 2001096658 A

BASIC-ABSTRACT:

NOVELTY - The sheet contains woven knitted goods  
intertwined with flat extra fine fiber. The fineness of a  
flat fiber which is integrated with extra fine fiber is at  
least 0.5 deniers and the degree of single flat fiber is at  
least 4.0. The amount of fiber dropping off is at least 20 mg  
during abrasion test on the surface of sheet.

DESCRIPTION - The sheet article is prepared by dry processing the splittable multilayer laminate mold composite fiber of 20-100 mm. The bearing strength of fiber is at least 1.5 kg. The sheet structure contains flat fiber of 1-20 mm. The relationship of maximum amount (alpha) of the reflected light of fiber sheet during scattering light measurement and mean value (beta) of the amount of reflected light in measurement angle from 0-90degreesC as alpha/beta value is at least 4.0. An INDEPENDENT CLAIM is also included for pile fiber sheet manufacturing method which involves twisting the fiber with 10-30% of shrinkage of sheet consisting of wet method paper web of staple raw cotton. Another sheet consists of splittable multilayer laminate mold composite fiber which has 10-30% of shrinkage in hot water maintained at a temperature of 90degreesC. the woven knitted goods consisting of spun yarn below 900 T/m and laminate fiber are twisted and heat treated causing at least 10% shrinkage per unit area.

USE - Piled fiber sheets for fabric leather products wear resistant interior, wear resistant clothes.

ADVANTAGE - Fiber sheet with excellent strength, firm retention, highly contractable knitted goods are obtained by firm intertwinement process.

DESCRIPTION OF DRAWING(S) - The figure shows the structural sectional view of multilayer laminate mold composite fiber.

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Basic Abstract Text - ABTX (1):

NOVELTY - The sheet contains woven knitted goods intertwined with flat extra fine fiber. The fineness of a flat fiber which is integrated with extra fine fiber is at least 0.5 deniers and the degree of single flat fiber is at least 4.0. The amount of fiber dropping off is at least 20 mg during abrasion test on the surface of sheet.

Basic Abstract Text - ABTX (2):

DESCRIPTION - The sheet article is prepared by dry processing the splittable multilayer laminate mold composite fiber of 20-100 mm. The bearing strength of fiber is at least 1.5 kg. The sheet structure contains flat fiber of 1-20 mm. The relationship of maximum amount (alpha) of the reflected light of fiber sheet during scattering light measurement and mean value (beta) of the amount of reflected light in measurement angle from 0-90degreesC as alpha/beta value is at least 4.0. An INDEPENDENT CLAIM is also included for pile fiber sheet manufacturing method which involves twisting the fiber with 10-30% of shrinkage of sheet consisting of wet method paper web of staple raw cotton. Another sheet consists of splittable multilayer laminate mold composite fiber which has 10-30% of shrinkage in hot water maintained at a temperature of 90degreesC. the woven knitted goods consisting of spun yarn below 900 T/m and laminate fiber are twisted and heat treated causing at least 10% shrinkage per unit area.

Basic Abstract Text - ABTX (3):

USE - Piled fiber sheets for fabric leather products wear resistant interior, wear resistant clothes.

Title - TIX (1):

Piled fiber sheets for fabric leather product, has flat extra fine fiber with specified fineness and specified degree of flatness, intertwined with knitted goods

Standard Title Terms - TTX (1):

PILE SHEET FABRIC LEATHER PRODUCT FLAT EXTRA FINE  
SPECIFIED DEGREE INTERTWINE KNIT GOODS